TABLE 24-F

MINIMUM DIAMETERS OF MACHINE SPINDLES AT POINT OF MOUNTING FOR WHEELS OF VARIOUS DIAMETERS AND THICKNESSES OPERATING AT SPEEDS UP TO 9,500 PERIPHERAL FEET PER MINUTE

Wheel Diam (in)	Wheel Thickness (in)																		
	Less than ¼	¼	⅜	½	⅝	¾	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	4	4½	5
	Spindle Diam (in)																			
2	⅛	⅛	⅛	⅛	¼	¼	⅜													
3	¼	¼	¼	⅜	⅜	⅜	⅜	½	½	½	½									
4	⅜	⅜	⅜	⅜	⅜	½	½	½	½	½	½									
5	⅜	⅜	⅜	½	½	½	½	½	⅝	⅝	⅝									
6	½	½	½	½	½	½	½	½	⅝	⅝	⅝	¾	¾	¾	¾	¾	¾	¾	¾	1
7	½	½	½	½	½	½	½	⅝	⅝	⅝	¾	¾	¾	¾	1	1	1	1	1	1
8	½	½	½	½	½	⅝	⅝	⅝	¾	¾	¾	¾	¾	¾	¼	¼	¼	1	1	1
9	⅝	⅝	⅝	⅝	⅝	⅝	¾	¾	¾	¾	¾	1	1	1	1	1	1	1¼	1¼	1¼
10	⅝	⅝	⅝	⅝	⅝	¾	¾	¾	1	1	1	1	1	1	1¼	1¼	1¼	1¼	1¼	1¼
12	¾	¾	¾	¾	¾	¾	¾	1	1	1	1	1	1	1	1¼	1¼	1¼	1¼	1¼	1½
14	¾	¾	¾	¾	¾	1	1	1	1	1	1	1	1¼	1¼	1¼	1½	1½	1½	1½	1½
16	⅞	1	1	1	1¼	1¼	1¼	1¼	1¼	1¼	1¼	1¼	1½	1½	1½	1½	1½	1½	1½	1¾
18	⅞	1	1	1	1¼	1¼	1¼	1¼	1¼	1¼	1¼	1½	1½	1½	1½	1½	1½	1¾	1¾	1¾
20	1	1	1	1	1¼	1¼	1½	1½	1½	1½	1½	1½	1½	1½	1½	1¾	1¾	1¾	1¾	2
24	1	1	1	1	1¼	1¼	1½	1½	1½	1½	1½	1½	1¾	1¾	1¾	1¾	1¾	2	2	2
26	1	1	1	1	1¼	1¼	1½	1½	1½	1½	1½	1¾	1¾	1¾	1¾	2	2	2	2	2
30	1	1½	1¼	1¼	1¼	1½	1½	1¾	1¾	1¾	1¾	1¾	1¾	2	2	2	2	2¼	2¼	2¼
36	1½	1¼	1¼	1¼	1¼	1¾	2	2	2	2	2	2	2	2¼	2¼	2¼	2½	2½	2¼	2¼

NOTE For speeds exceeding 9,500 sfpm, for unusually severe operations, and for wheels with heavy mountings, (such as bolted-on abrasive disks) the spindle sizes shown in the above table are usually not adequate Inasmuch as the proper spindle size is dependent upon many factors, such as general design of the machine, type of bearings, quality of materials, workmanship and application of wheel, a simple table is not practicable Wheels larger than specified by the machine manufacturer should not be used.